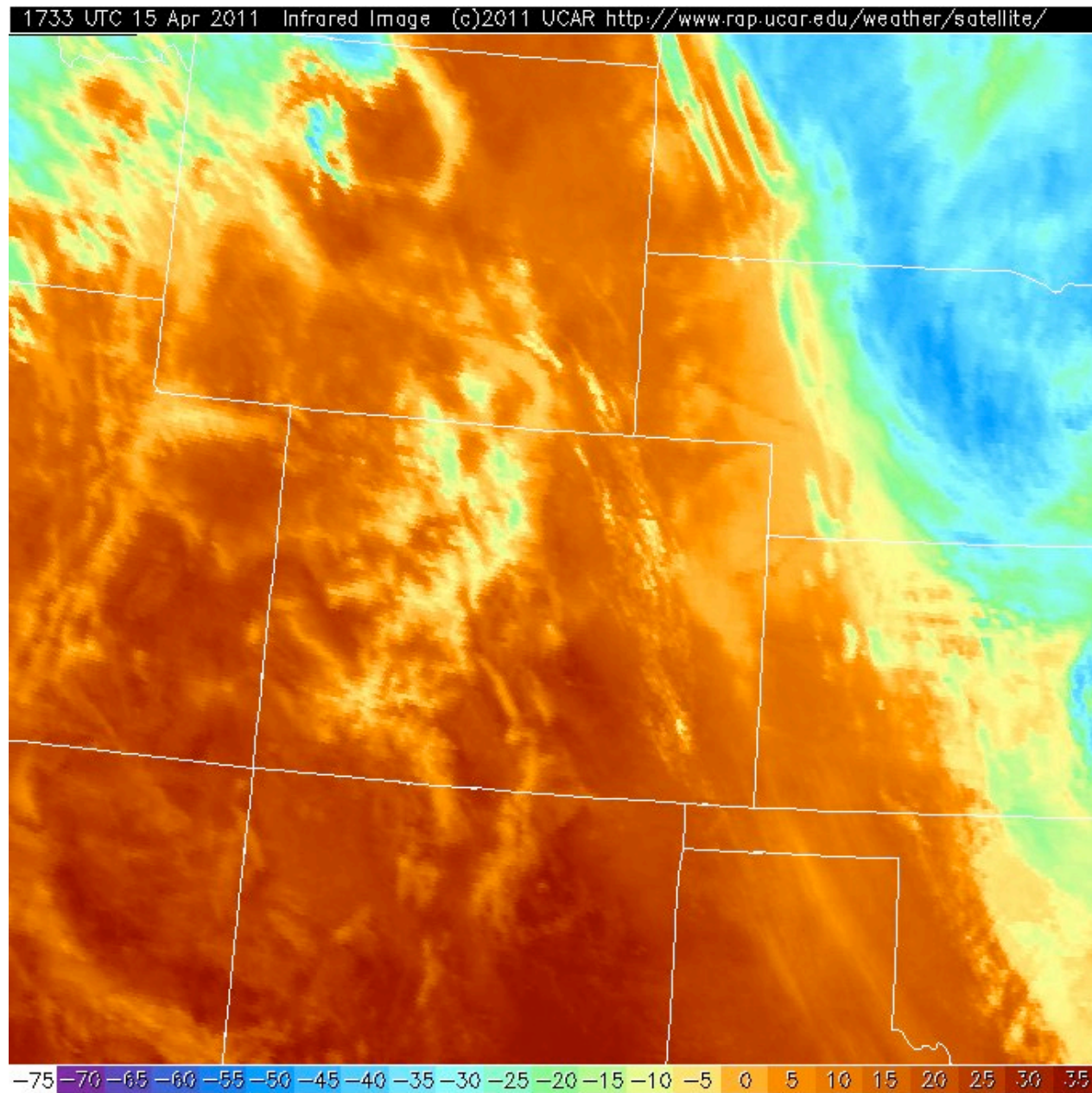
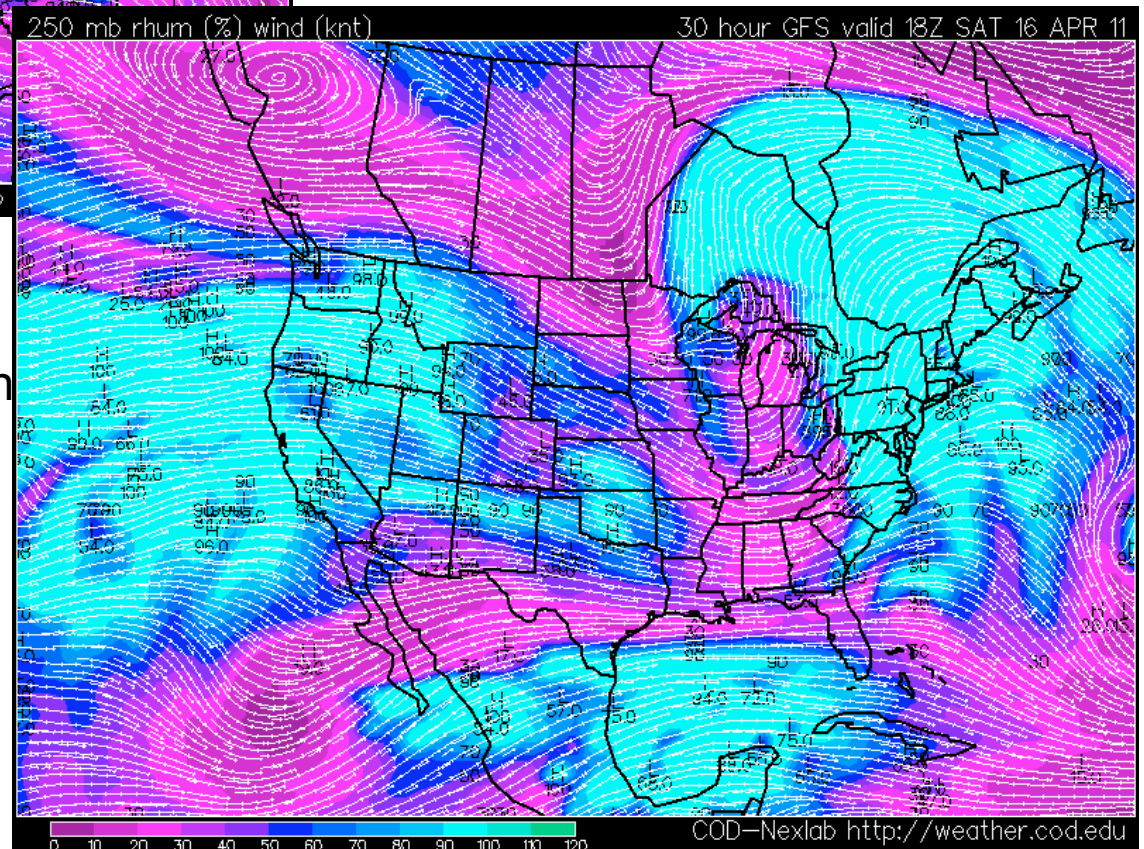
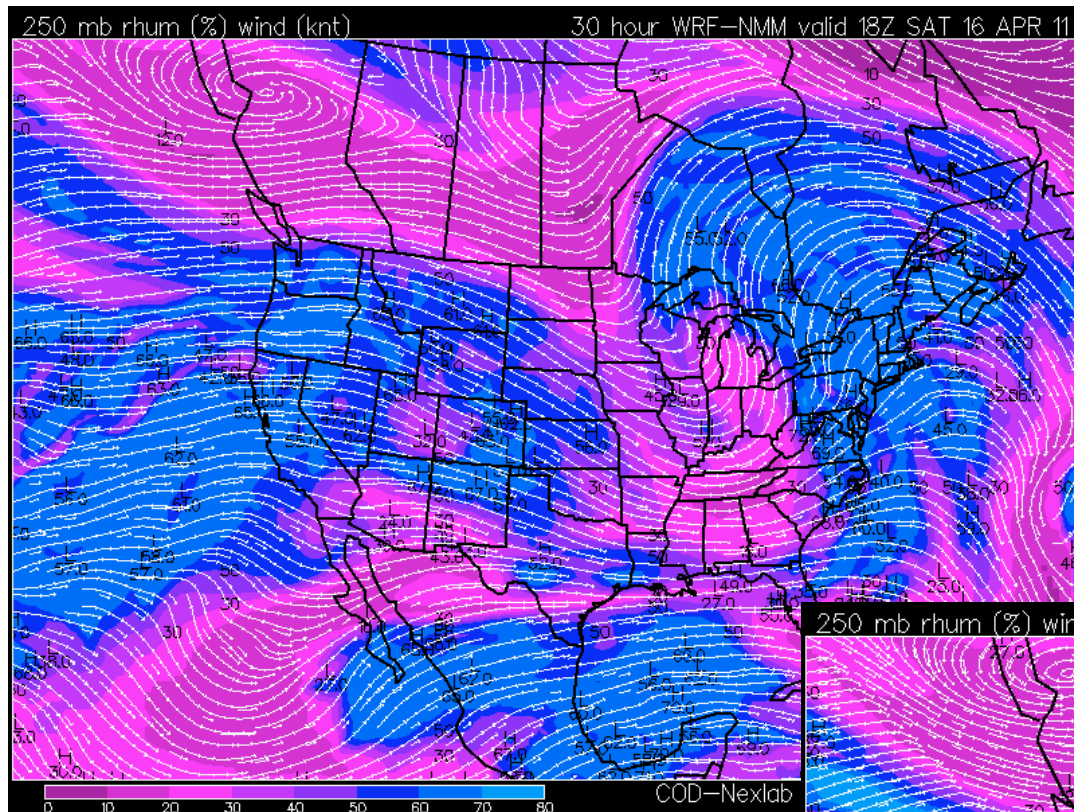


Moisture moving NEward towards Gulf. Cloud shield upstream of CO suggest Cirrus tomorrow.



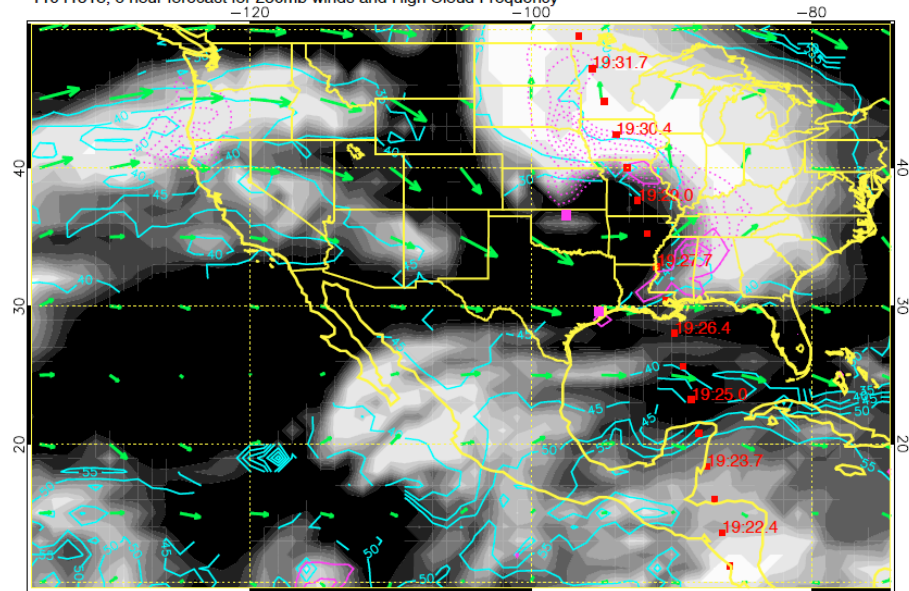
Can already see cirrus streamers being generated by flow over mountains.





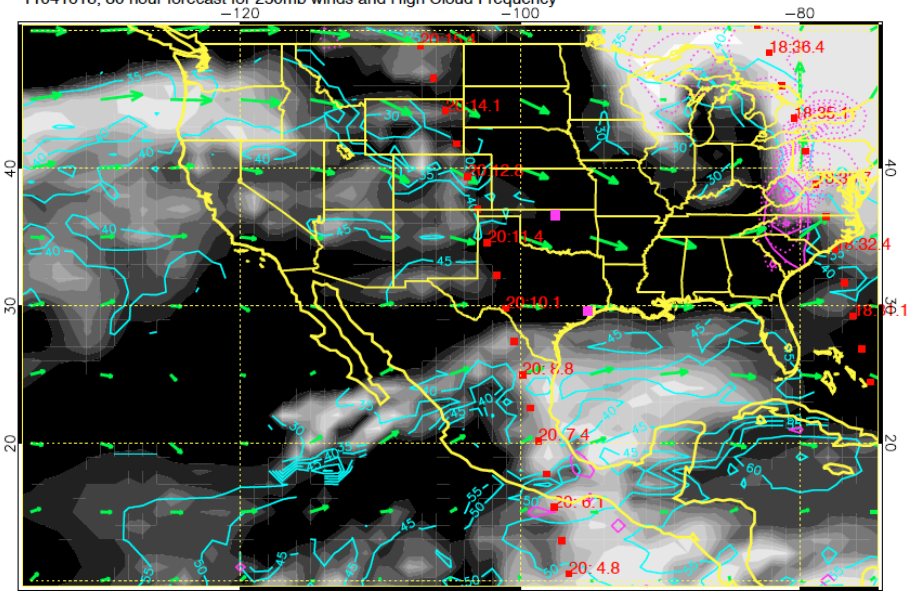
Models disagree about cloud Placement over CO region. Position depends on position of small waves on the jet, where GFS (right) is ahead of NAM (above). Moisture for Gulf is similar. Will just Have to wait until tomorrow to make Final decision.

11041518, 6 hour forecast for 250mb winds and High Cloud Frequency



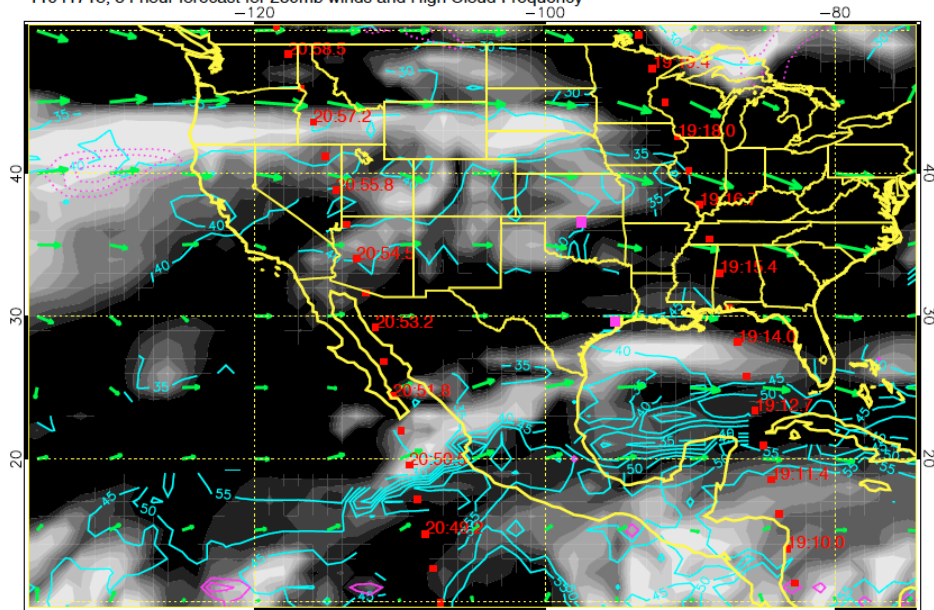
High Cloud Altitude from 25 kft at 5 kft intervals  
Precip (tot dotted, conv solid) past 6 hours 4 kg/m<sup>2</sup> contours

11041618, 30 hour forecast for 250mb winds and High Cloud Frequency



High Cloud Altitude from 25 kft at 5 kft intervals  
Precip (tot dotted, conv solid) past 6 hours 4 kg/m<sup>2</sup> contours

11041718, 54 hour forecast for 250mb winds and High Cloud Frequency

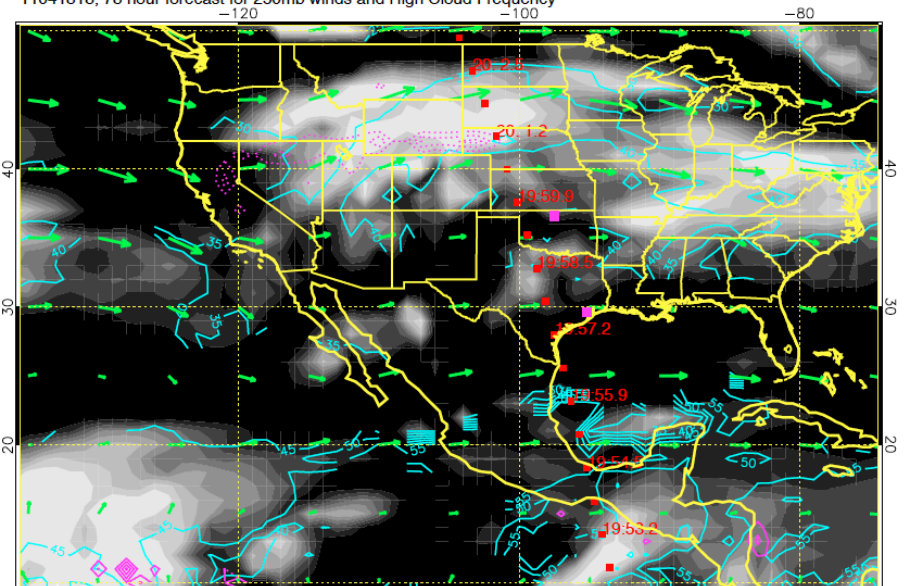


High Cloud Altitude from 25 kft at 5 kft intervals  
Precip (tot dotted, conv solid) past 6 hours 4 kg/m<sup>2</sup> contours

0.0 0.2 0.4 0.6 0.8 1.0  
High Cloud Frequency

→ 50 m/s

11041818, 78 hour forecast for 250mb winds and High Cloud Frequency



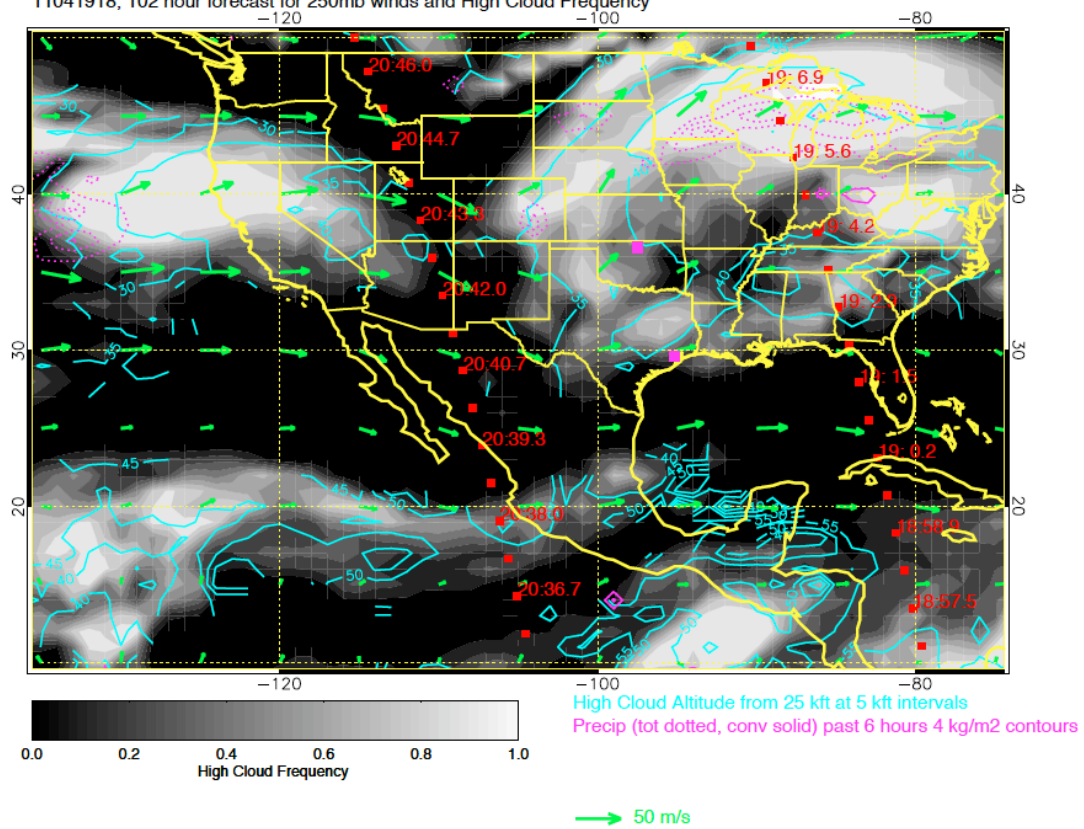
High Cloud Altitude from 25 kft at 5 kft intervals  
Precip (tot dotted, conv solid) past 6 hours 4 kg/m<sup>2</sup> contours

0.0 0.2 0.4 0.6 0.8 1.0  
High Cloud Frequency

→ 50 m/s



11041918, 102 hour forecast for 250mb winds and High Cloud Frequency



# Prose Summary, Weather Briefing, 20110415

- No rain expected through the forecast period, except for trace amounts this morning associated with oncoming front. FROPA today (about 9 AM at IAH), with drop in RH and shift to N to NW winds, gusting over 20 knots (within limits). Dry conditions today – red flag warning. By Monday back to south winds and high RH. Sunday PM strong southeast winds, possibly testing X-wind limit. Otherwise, good flying wx for forecast period.
- Strong storm system to the northeast (producing local FROPA) with downward motion upstream is suppressing the cirrus from the tropical moisture tap that we have been sampling since Wednesday. As the influence of this system wanes, the last burst of moisture from this tap comes over the Gulf, giving us a chance to sample cirrus tomorrow. Moisture also moves from the northwest, creating a potential for CALIPSO overpass over CO.
- Sunday the flow becomes more zonal, moisture is limited, GFS appears to be forecasting wave clouds (as it is for Saturday). Some desultory clouds over ARM site. Do not recommend attempting BTB for this day.
- Monday a strong trough forms over California. Upward motion ahead of this trough enhances RH and clouds over west-central US. No subtropical tap, but good chance of cirrus clouds north of us in conjunction with CALIPSO overpass.
- Tuesday, trough amplifies and becomes negatively tilted. Cloud shield north of us and moving eastward. Might consider BTB, but these are long term forecasts. Met situation is favorable (clouds ahead of trough).